

IN THE CLAIMS:

Please cancel the claims as follows:

1.-16. (Cancelled)

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Please add the following new claims:

17. (New) A liquid crystal display device, comprising:
a light shielding film formed on a pixel board;
a first insulating film formed on said light shielding film;
a semiconductor layer formed on said first insulating film;
a second insulating film, serving as a gate insulating film, formed on said semiconductor layer and said first insulating film; and
a gate line formed on said second insulating film,
wherein said semiconductor layer comprises a source region, a drain region, a channel region and a lightly doped drain (LDD) region; and
contact holes for connecting said gate line with said light shielding film that are formed on opposing sides of said channel region and said LDD region,
wherein a part of said gate line is filled up in said contact holes, and lengths of said contact holes are provided as at least a total length of said channel region and said LDD region.

18. (New) A liquid crystal display device, comprising:
a light shielding film formed on a pixel board;

09/828,863

F-11090

~~a first insulating film formed on said light shielding film;~~

~~a semiconductor layer formed on said first insulating film;~~

~~a second insulating film, serving as a gate insulating film, formed on said semiconductor layer and said first insulating film; and~~

~~a gate line formed on said second insulating film,~~

~~wherein said semiconductor layer comprises a source region, a drain region, a channel region and a lightly doped drain (LDD) region; and~~

~~contact holes for connecting said gate line with said light shielding film that are formed on opposing sides of said LDD region,~~

~~wherein a part of said gate line is filled up in said contact holes, and lengths of said contact holes are provided as at least a length of said LDD region.~~

19. (New) The liquid crystal display device as claimed in claim 17, wherein at least said channel region is covered with said contact holes, said gate line, and said light shielding film.

20. (New) The liquid crystal display device as claimed in claim 17, wherein said LDD region is covered with said contact holes and said light shielding film.

21. (New) The liquid crystal display device as claimed in claim 18, wherein said LDD region is covered with said contact holes and said light shielding film.

22. (New) The liquid crystal display device as claimed in claim 17, wherein said light shielding film comprises a conductive material.

09/828,863

F-11090

23. (New) The liquid crystal display device as claimed in claim 18, wherein said light shielding film comprises a conductive material.

24. (New) The liquid crystal display device as claimed in claim 17, wherein said light shielding film comprises a heat-resistant material.

25. (New) The liquid crystal display device as claimed in claim 18, wherein said light shielding film comprises a heat-resistant material.

26. (New) The liquid crystal display device as claimed in claim 17, wherein the thickness of said first insulating film has a thickness the same as a thickness of said light shielding film that does not function as a back gate of a thin film transistor.

27. (New) The liquid crystal display device as claimed in claim 18, wherein the thickness of said first insulating film has a thickness the same as a thickness of said light shielding film that does not function as a back gate of a thin film transistor.

28. (New) The liquid crystal display device as claimed in claim 17, further comprising:
a third insulating film formed on said gate line; and
a data line formed on said third insulating film,

wherein another set of contact holes for connecting said gate line with said light shielding film is formed below said data line.

09/828,863

F-11090

29. (New) The liquid crystal display device as claimed in claim 18, further comprising:

a third insulating film formed on said gate line; and

a data line formed on said third insulating film,

wherein another set of contact holes for connecting said gate line with said light shielding film is formed below said data line.

30. (New) The liquid crystal display device as claimed in claim 17, wherein distal ends of the length of each contact hole extend proximate to distal ends of the total length of said channel region and said LDD region.

31. (New) The liquid crystal display device as claimed in claim 30, wherein the distal ends of the length of each contact hole extend beyond the distal ends of the total length of said channel region and said LDD region.

32. (New) The liquid crystal display device as claimed in claim 18, wherein distal ends of the length of each contact hole extend proximate to distal ends of the length of said LDD region.

33. (New) The liquid crystal display device as claimed in claim 32, wherein the distal ends of the length of each contact hole extend beyond the distal ends of the length of said LDD region.

09/828,863

F-11090

34. (New) A liquid crystal projector apparatus, comprising:

a liquid crystal display device including:

a light shielding film formed on a pixel board;

a first insulating film formed on said light shielding film;

a semiconductor layer formed on said first insulating film;

a second insulating film, serving as a gate insulating film, formed on said semiconductor layer and said first insulating film; and

a gate line formed on said second insulating film,

wherein said semiconductor layer comprises a source region, a drain region, a channel region and a lightly doped drain (LDD) region; and

contact holes for connecting said gate line with said light shielding film that are formed on opposing sides of said channel region and said LDD region,

wherein a part of said gate line is filled up in said contact holes, and

lengths of said contact holes are provided as at least a total length of said channel region and said LDD region;

a light source for irradiating light to said liquid crystal display device;

an optical system for guiding the light from said light source to said liquid crystal display device; and

an optical system for projecting information light from said liquid crystal display device.

35. (New) A liquid crystal projector apparatus, comprising:

a liquid crystal display device including:

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a light shielding film formed on a pixel board;
a first insulating film formed on said light shielding film;
a semiconductor layer formed on said first insulating film;
a second insulating film, serving as a gate insulating film, formed on said semiconductor layer and said first insulating film; and
a gate line formed on said second insulating film;
wherein said semiconductor layer comprises a source region, a drain region, a channel region and a lightly doped drain (LDD) region; and
contact holes for connecting said gate line with said light shielding film that are formed on opposing sides of said LDD region,
wherein a part of said gate line is filled up in said contact holes, and
lengths of said contact holes are provided as at least a length of said LDD region;
a light source for irradiating light to said liquid crystal display device;
an optical system for guiding the light from said light source to said liquid crystal display device; and
an optical system for projecting information light from said liquid crystal display device.

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